AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1 – 19 (Canceled).

Claim 20 (Currently Amended): A method of communication in a frequency hopping wireless network using a time-division duplex (TDD) scheme having a plurality of time slots divide into a plurality of master-to-slave slots and a plurality of slave-to-master slots, wherein the plurality of master-to-slave slots are even slots and the plurality of slave-to-master slots are odd slots, said method comprising:

coupling an enhanced master device with a slave device without using polling or a handshake;

initiating communication from the master device to the slave device on a channel selected from an original hopping sequence, wherein the master device is only device that can initiate transmissions using only data and not control information;

selecting a channel from a repeated channel adaptive hopping sequence, derived from the original hopping sequence, if the slave device is an enhanced slave device; and

responding to the master device from the slave device on a channel selected from a repeated channel adaptive hopping sequence if the slave device is an enhanced slave device;

responding to the master device from the slave device on a channel selected from the original hopping sequence if the slave device is a legacy slave device,

wherein, at any one time instant, only a single device can be transmitting within the network.

Claim 21 (Previously Presented): A method according to claim 20, wherein the slave responding to the master device comprises:

transmitting a packet to the master device on the selected channel, wherein the selected channel is used for transmission during entire length of the packet.

Claim 22 (Cancelled).

Claim 23 (Previously Presented): A method according to claim 20, wherein the wireless network is a Bluetooth wireless network.

Claim 24 (Cancelled).

.Claim 25 (Cancelled).

Claim 26 (Currently Amended): A system for communication in a frequency hopping wireless network, said system comprising:
a master device; and
at least one slave device communicatively coupled to the master device, wherein
the master device is configured to initiate communication with the slave
device on a channel selected from an original hopping sequence without
using polling or a handshake. wherein the master device is only device
that can initiate transmissions using only data and not control information;
and
the slave device is configured to transmit data to the master device on in a
response to the master device initiating the communication on a channel
selected from a repeated channel adaptive hopping sequence, derived
from the original hopping sequence, if the slave device is an enhanced
slave device or on a channel selected from the original hopping sequence
if the slave device is a legacy slave device, wherein, at any one time
instant, only a single device can be transmitting within the network.

Claim 27 (Currently Amended):   A system according to claim 26, wherein the slave device is further configured to:

transmit a packet to the master device on the ~~first~~selected channel, wherein the
first channel is used for transmission during entire length of the packet.

Claim 28 (Canceled).

Claim 29 (Previously Presented): A system according to claim 26, wherein the wireless network is a Bluetooth wireless network.